

FIG.1

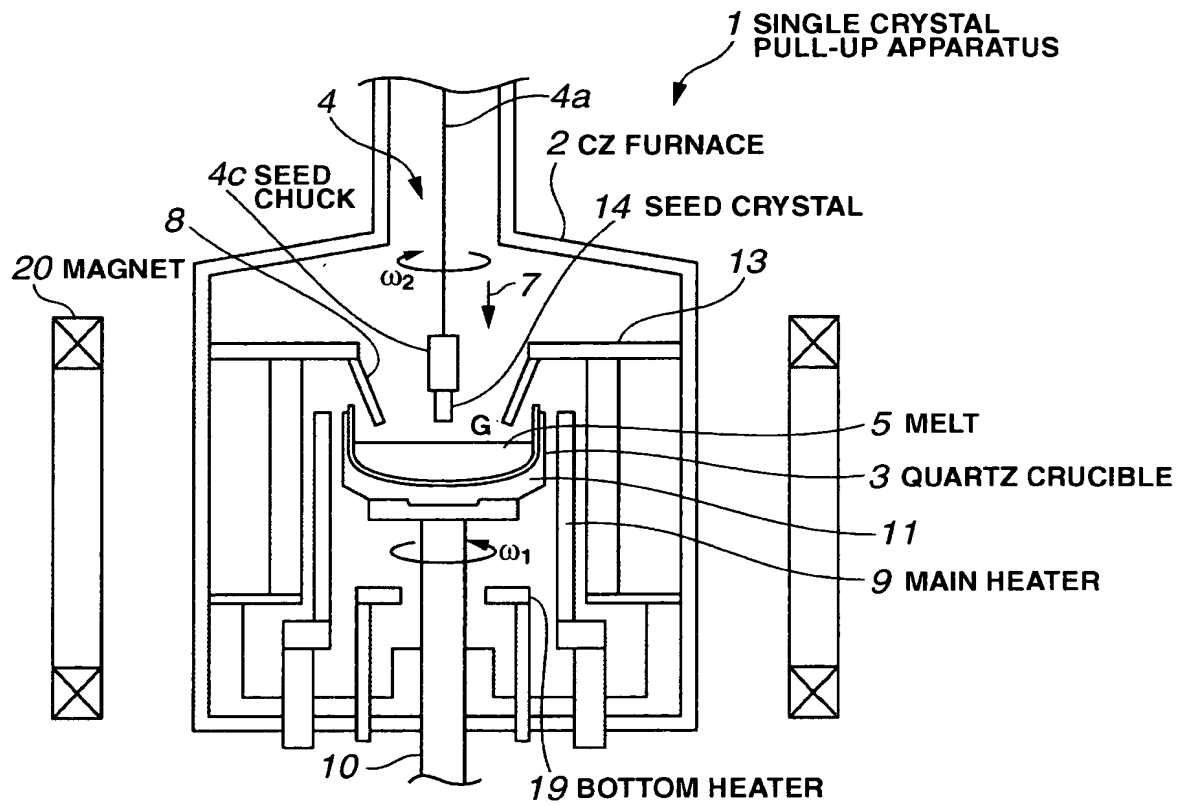


FIG.2

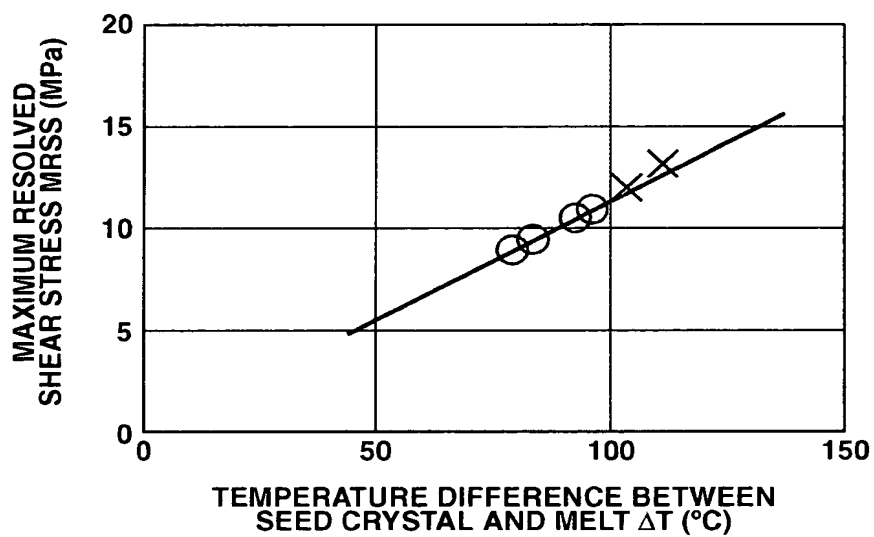


FIG.3

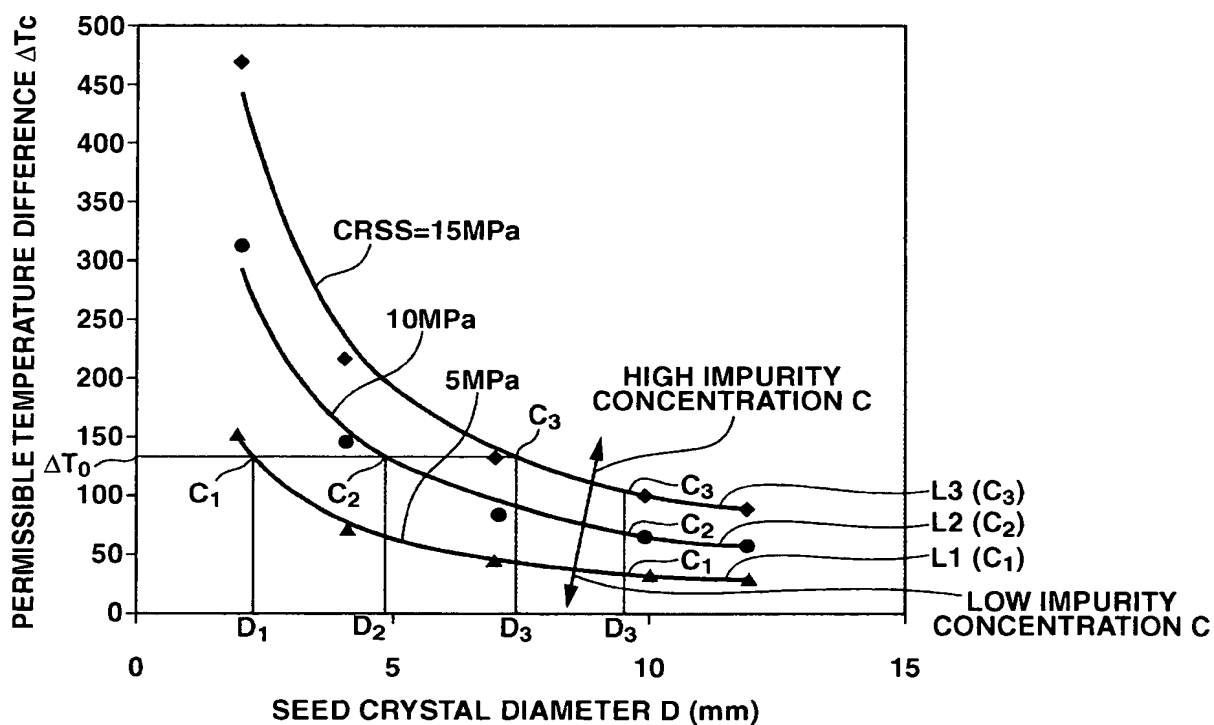


FIG.4

TEST NO.	(1)	(2)	(3)	(4)	(5)	(6)
MAGNET FIELD STRENGTH (Gauss)	0	0	0	3000	3000	3000
ELECTRIC POWER APPLIED TO BOTTOM HEATER (Kw)	35	10	0	35	10	0
ELECTRIC POWER APPLIED TO MAIN HEATER (Kw)	105	120	138	112	126	143
TEMPERATURE DIFFERENCE BETWEEN SEED CRYSTAL AND MELT ΔT (°C)	111.1	103.2	95.6	92.2	82.5	78.5
RESULT (WITHOUT DISLOCATION: O, WITH DISLOCATION: X)	X	X	O	O	O	O

FIG.5

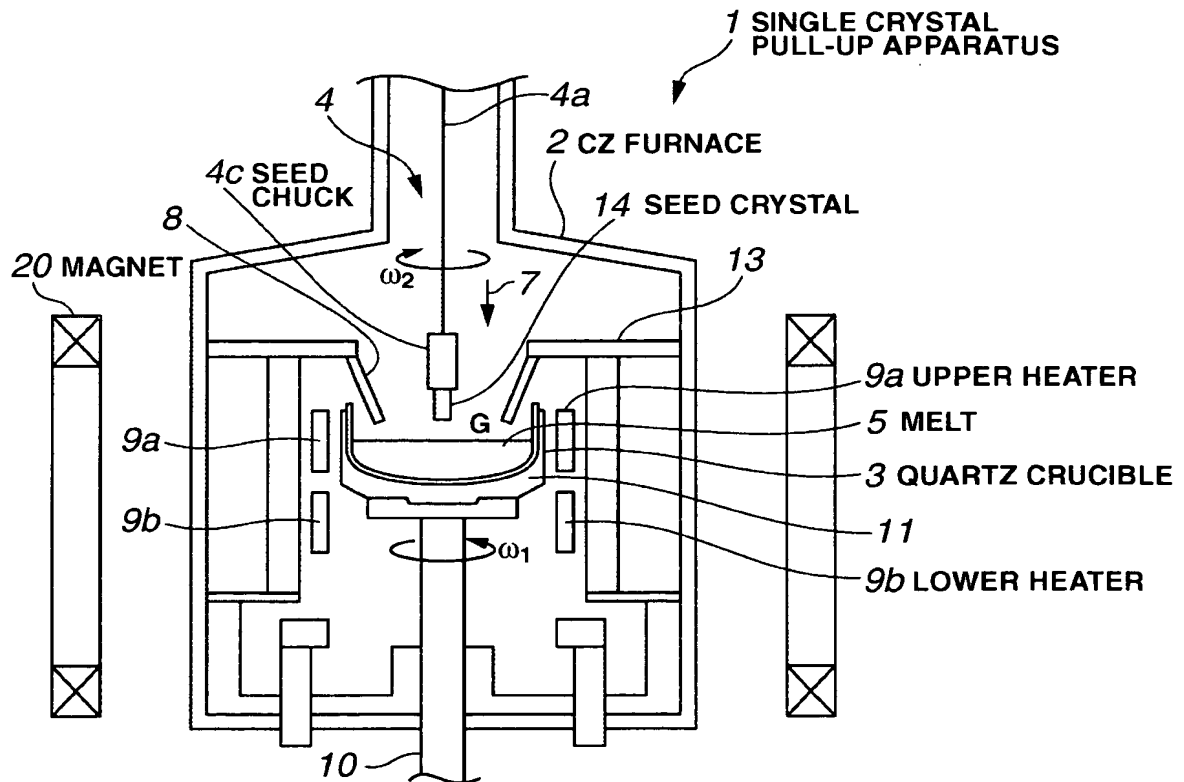


FIG.6

ELEMENTS	CONCENTRATION (atoms/cc)
B	$\geq 1e18$
Ga	$\geq 5e19$
In	$\geq 1e16$
P	$\geq 1e19$
As	$\geq 5e19$
Sb	$\geq 1e19$
Ge	$\geq 5e19$
N	$\geq 5e13$
C	$\geq 8e16$

FIG.7

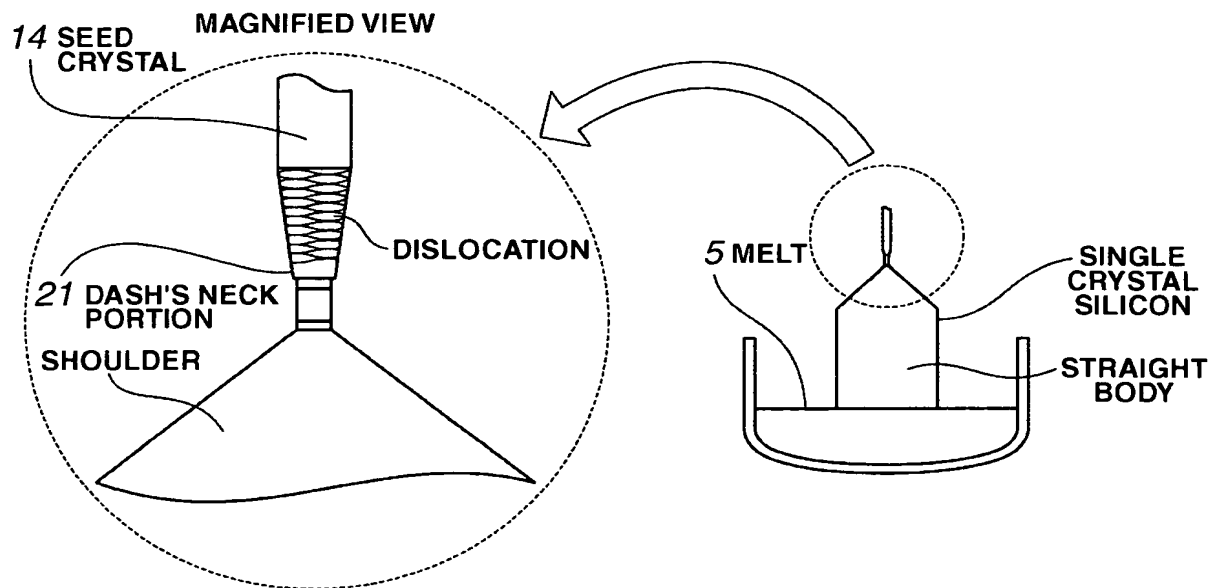


FIG.8

